BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

**1st & Final Bill**

**Name of work: Asphalting road from Amruthahalli Main road to Jakkur Burrial ground in Ward No.05**

**Name of Agency: M/s K. R. I. D. L.**

| | |
|---|---|
| Item No: | 14 |
| Item: | KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 ( P-161 IT NO 21.1) |

| CHAINAGE Land Mark | | NO | L (m) | B1 (m) | B2 (m) | Avg B (m) | Avg D (m) | QTY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| Measurement recorded on: | | | 14/06/18 | | | | | | |
| For New Roads | | | | | | | | | |
| **MARKANDEYA LAYOUT** | | | | | | | | | |
| **Merkandeya Layout Vila Road From End to Kalappa reddy road** | | | | | | | | | |
| 0.00 | 0.00 | 1 | 0.00 | 6.60 | 6.70 | 6.65 | | 0.00 | |
| 0.00 | 30.00 | 1 | 30.00 | 6.70 | 6.60 | 6.65 | | 199.50 | |
| 30.00 | 60.00 | 1 | 30.00 | 6.60 | 6.50 | 6.55 | | 196.50 | |
| 60.00 | 90.00 | 1 | 30.00 | 6.50 | 6.10 | 6.30 | | 189.00 | |
| 90.00 | 120.00 | 1 | 30.00 | 6.10 | 6.10 | 6.10 | | 183.00 | |
| 120.00 | 150.00 | 1 | 30.00 | 6.10 | 6.30 | 6.20 | | 186.00 | |
| 150.00 | 180.00 | 1 | 30.00 | 6.30 | 6.10 | 6.20 | | 186.00 | |
| 180.00 | 210.00 | 1 | 30.00 | 6.10 | 5.50 | 5.80 | | 174.00 | |
| 210.00 | 240.00 | 1 | 30.00 | 5.50 | 6.00 | 5.75 | | 172.50 | |
| 240.00 | 240.00 | 1 | 0.00 | 6.00 | 7.20 | 6.60 | | 0.00 | |
| 240.00 | 259.00 | 1 | 19.00 | 7.20 | 10.20 | 8.70 | | 165.30 | |
| Approch | | 6 | 6.00 | | | 2.00 | | 72.00 | |
| | | | | | | | | | |

| AGRAHARA LAYOUT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Agrahara layout 1st Cross road From 4th main road to End | | | | | | | | | | |
| | 0.00 | 0.00 | 1 | 0.00 | 4.00 | 3.90 | 3.95 | | 0.00 | |
| | 0.00 | 30.00 | 1 | 30.00 | 3.90 | 4.30 | 4.10 | | 123.00 | |
| | 30.00 | 60.00 | 1 | 30.00 | 4.30 | 4.00 | 4.15 | | 124.50 | |
| | 60.00 | 90.00 | 1 | 30.00 | 4.00 | 4.00 | 4.00 | | 120.00 | |
| | 90.00 | 115.00 | 1 | 25.00 | 4.00 | 4.00 | 4.00 | | 100.00 | |
| Quantity carried summary | | | | | | | | | 2191.30 | |
| Shedule-B Quantity | | | | | | | | | 2254.75 | |
| Quantity carried to summary | | | | | | | | | 2191.30 | |



Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Contractor Representative

Consultant Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

**1st & Final Bill**

**Name of work: Asphalting road from Amruthahalli Main road to Jakkur Burrial ground in Ward No.05**

**Name of Agency: M/s K. R. I. D. L.**

Item No: 15

Item Name: KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 PAGE161 IT NO 21.6

| SL NO | CHAINAGE Land Mark | | NO | L (m) | B1 (m) | B2 (m) | Avg B (m) | Avg D (m) | QTY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| Measurement recorded on: | | | | 18/06/18 | | | | | | |
| For New Roads | | | | | | | | | | |
| **MARKANDEYA LAYOUT** | | | | | | | | | | |
| **Merkandeya Layout Vila Road From End to Kalappa reddy road** | | | | | | | | | | |
| | 0.00 | 0.00 | 1 | 0.00 | 6.60 | 6.70 | 6.65 | | 0.00 | |
| | 0.00 | 30.00 | 1 | 30.00 | 6.70 | 6.60 | 6.65 | | 199.50 | |
| | 30.00 | 60.00 | 1 | 30.00 | 6.60 | 6.50 | 6.55 | | 196.50 | |
| | 60.00 | 90.00 | 1 | 30.00 | 6.50 | 6.10 | 6.30 | | 189.00 | |
| | 90.00 | 120.00 | 1 | 30.00 | 6.10 | 6.10 | 6.10 | | 183.00 | |
| | 120.00 | 150.00 | 1 | 30.00 | 6.10 | 6.30 | 6.20 | | 186.00 | |
| | 150.00 | 180.00 | 1 | 30.00 | 6.30 | 6.10 | 6.20 | | 186.00 | |
| | 180.00 | 210.00 | 1 | 30.00 | 6.10 | 5.50 | 5.80 | | 174.00 | |
| | 210.00 | 240.00 | 1 | 30.00 | 5.50 | 6.00 | 5.75 | | 172.50 | |
| | 240.00 | 240.00 | 1 | 0.00 | 6.00 | 7.20 | 6.60 | | 0.00 | |
| | 240.00 | 259.00 | 1 | 19.00 | 7.20 | 10.20 | 8.70 | | 165.30 | |
| | Approch | | 6 | 6.00 | | | 2.00 | | 72.00 | |

| AGRAHARA LAYOUT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Agrahara layout 1st Cross road From 4th main road to End | | | | | | | | | | |
| | 0.00 | 0.00 | 1 | 0.00 | 4.00 | 3.90 | 3.95 | | 0.00 | |
| | 0.00 | 30.00 | 1 | 30.00 | 3.90 | 4.30 | 4.10 | | 123.00 | |
| | 30.00 | 60.00 | 1 | 30.00 | 4.30 | 4.00 | 4.15 | | 124.50 | |
| | 60.00 | 90.00 | 1 | 30.00 | 4.00 | 4.00 | 4.00 | | 120.00 | |
| | 90.00 | 115.00 | 1 | 25.00 | 4.00 | 4.00 | 4.00 | | 100.00 | |
| Quantity carried summary | | | | | | | | | 2191.30 | Sqm |
| Shedule-B Quantity | | | | | | | | | 2254.75 | Sqm |
| Quantity carried to summary | | | | | | | | | 2191.30 | Sqm |



Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Contractor Representative

Consultant Representative

Asst Engineer
Project yelahanka
BBMP Bengalore

18/6/20

Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

Measurement Sheet

**1st & Final Bill**

**Name of work: Asphalting road from Amruthahalli Main road to Jakkur Burrial ground in Ward No.05**

**Name of Agency: M/s K. R. I. D. L.**

Item No: 16

KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications PAGE165IT NO 21.23.2

| SNO | CHAINAGE Land Mark | | NO | L (m) | B1 (m) | B2 (m) | Avg B (m) | Avg D (m) | QTY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| Measurement recorded on: | | | | 18/06/18 | | | | | | |
| **For New Roads** | | | | | | | | | | |
| **MARKANDEYA LAYOUT** | | | | | | | | | | |
| **Merkandeya Layout Vila Road From End to Kalappa reddy road** | | | | | | | | | | |
| | 0.00 | 0.00 | 1 | 0.00 | 6.60 | 6.70 | 6.65 | 0.04 | 0.00 | |
| | 0.00 | 30.00 | 1 | 30.00 | 6.70 | 6.60 | 6.65 | 0.04 | 7.98 | |
| | 30.00 | 60.00 | 1 | 30.00 | 6.60 | 6.50 | 6.55 | 0.04 | 7.86 | |
| | 60.00 | 90.00 | 1 | 30.00 | 6.50 | 6.10 | 6.30 | 0.04 | 7.56 | |
| | 90.00 | 120.00 | 1 | 30.00 | 6.10 | 6.10 | 6.10 | 0.04 | 7.32 | |
| | 120.00 | 150.00 | 1 | 30.00 | 6.10 | 6.30 | 6.20 | 0.04 | 7.44 | |
| | 150.00 | 180.00 | 1 | 30.00 | 6.30 | 6.10 | 6.20 | 0.04 | 7.44 | |
| | 180.00 | 210.00 | 1 | 30.00 | 6.10 | 5.50 | 5.80 | 0.04 | 6.96 | |
| | 210.00 | 240.00 | 1 | 30.00 | 5.50 | 6.00 | 5.75 | 0.04 | 6.90 | |
| | 240.00 | 240.00 | 1 | 0.00 | 6.00 | 7.20 | 6.60 | 0.04 | 0.00 | |
| | 240.00 | 259.00 | 1 | 19.00 | 7.20 | 10.20 | 8.70 | 0.04 | 6.61 | |
| | Approch | | 6 | 6.00 | | | 2.00 | 0.04 | 2.88 | |
| | | | | | | | | | | |

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| AGRAHARA LAYOUT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Agrahara layout 1st Cross road From 4th main road to End | | | | | | | | | | |
| | 0.00 | 0.00 | 1 | 0.00 | 4.00 | 3.90 | 3.95 | 0.04 | 0.00 | |
| | 0.00 | 30.00 | 1 | 30.00 | 3.90 | 4.30 | 4.10 | 0.04 | 4.92 | |
| | 30.00 | 60.00 | 1 | 30.00 | 4.30 | 4.00 | 4.15 | 0.04 | 4.98 | |
| | 60.00 | 90.00 | 1 | 30.00 | 4.00 | 4.00 | 4.00 | 0.04 | 4.80 | |
| | 90.00 | 115.00 | 1 | 25.00 | 4.00 | 4.00 | 4.00 | 0.04 | 4.00 | |
| Quantity carried summary | | | | | | | | | 87.65 | |
| Shedule-B Quantity | | | | | | | | | 90.19 | |
| Quantity carried to summary | | | | | | | | | 87.65 | |

Checked

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Assistant Executive Engineer
Vijayarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor Representative

Consultant Representative

Asst Engineer
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Asst.Executive Engineer
Project yelahanka
BBMP Bengalore

BRUHAT BANGALORE MAHANAGARA PALIKE

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Measurement Sheet

**1st & Final Bill**

**Name of work: Asphalting road from Amruthahalli Main road to Jakkur Burrial ground in Ward No.05**

**Name of Agency: M/s K. R. I. D. L.**

Item No: 17

KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803PAGE185IT NO 24.15

Measurement recorded on: 21/06/18

**For New Roads**

| CHAINAGE Land Mark | | NO | L (m) | B1 (m) | B2 (m) | Avg B (m) | Avg D (m) | QTY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| **MARKANDEYA LAYOUT** | | | | | | | | | |
| **Merkandeya Layout Vila Road From End to Kalappa reddy road** | | | | | | | | | |
| 0.00 | 0.00 | 2 | 0.00 | | | 0.15 | | 0.00 | |
| 0.00 | 30.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 30.00 | 60.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 60.00 | 90.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 90.00 | 120.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 120.00 | 150.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 150.00 | 180.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 180.00 | 210.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 210.00 | 240.00 | 2 | 30.00 | | | 0.15 | | 9.00 | |
| 240.00 | 240.00 | 2 | 0.00 | | | 0.15 | | 0.00 | |
| 240.00 | 259.00 | 2 | 19.00 | | | 0.15 | | 5.70 | |